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ETCHED INTERCONNECT FOR FUEL CELL ELEMENTS

ABSTRACT OF THE DISCLOSURE

An etched interconnect for fuel cell elements comprising solid oxide electrolyte, an anode, and a cathode, includes a conductive base sheet having first and second faces having anode and cathode gas flow passages, respectively. The anode gas flow passages and cathode gas flow passages each have a unique geometry selected to optimize fuel and oxidant gas flow. In a preferred embodiment, the gas flow passages are prepared using a photochemical etching process.

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